



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1410 NORTH HILTON • BOISE, IDAHO 83706 • (208) 373-0502

JAMES E. RISCH, GOVERNOR  
TONI HARDESTY, DIRECTOR

October 20, 2006

Nathan R. Brown  
ENVIROQUIP, Inc.  
2404 Rutland Drive, Suite 200  
Austin, Texas 78758

Re: Acceptance of Kubota Type 515 Flat Plate Submerged Membrane filtration technology as equivalent to Kubota Type 510 as previously accepted September 28, 2006.

Dear Mr. Brown:

For the purposes of complying with the filtration technology acceptance requirements of Idaho Reuse rules, I am hereby accepting this particular Type 515 membrane filtration technology under the following conditions for Class A wastewater projects in Idaho. This acceptance is based on the Idaho Department of Environmental Quality receiving the report entitled "Equivalency of the Kubota Type 515 and Type 510 Membran Cartridges". This is not an endorsement of this technology, nor is it an approval of any other portion of the equipment or of a project.

For Membrane Bioreactor (MBR) Vacuum Filtration with high solids loading using Kubota Flat Plate Submerged Membrane: Type 515 chlorinated polyethylene flat sheet membrane with a nominal pore size of 0.4 micron with a flux rate not to exceed 42 gallons per square foot per day (gfd); transmembrane pressure not to exceed 5.0 psi; required membrane integrity tests; turbidity performance limited to Section 601.06.b of IDAPA 58.01.17; and being complimented with a disinfection process that will achieve the limits stated in Section 600.07.a of IDAPA 58.01.17.

Be advised that Idaho is presently modifying its rules regarding disinfection requirements for Class A effluent. We anticipate having rules similar to California's soon that would require the entire treatment train to achieve 5-log removal of virus in addition to the rules now in place, and a change in the requirement for effluent turbidity. The effluent turbidity for membranes will change to 0.2 NTU instead of the 2 NTU now in place. It does not appear that either of these changes or any other changes will affect the use of your product.

Very truly yours,

A handwritten signature in black ink, appearing to read "Mark Mason".

K. Mark Mason, P.E.  
DEQ Wastewater Program

c: Rob Young, Goble Sampson Associates, Inc.  
Roger Tinkey, P.E., DEQ Coeur d'Alene Regional Office  
Tom Moore, P.E., DEQ Lewiston Regional Office  
Paul Wakagawa, P.E., DEQ Boise Regional Office  
Dave Anderson, DEQ Twin Falls Regional Office  
Chuck Ketterman, P.E., DEQ Pocatello Regional Office  
Greg Eager, P.E., DEQ Idaho Falls Regional Office  
Richard Huddleston, P.E., DEQ Wastewater Program Manager